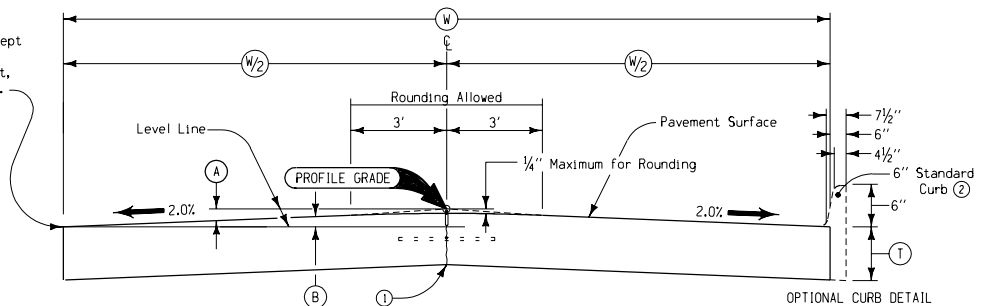


TYPICAL PAVEMENT PLAN

Edge to a 1/4" radius except when used at interior multiple lane of pavement, then use 1/8" radius edge.



TYPICAL CROSS SECTION

OPTIONAL CURB DETAIL
(Use only as specified on detail plans.)

GENERAL NOTES:

Details indicated on the plan illustrate the general requirements for Two-Lane P.C. Concrete Pavements 22', 24' 25' or 28' in width. Unless specifically authorized otherwise, the methods and materials used in the construction of this pavement shall be in conformance with current Standard and Supplemental Specifications for Concrete Pavement. Refer to individual project plans for specific dimensional requirements and other details of pavement construction.

Refer to Standard Road Plans RH-50, 51 and 52 for details of construction of joints in pavement. Joint layout shall be skewed as shown, 6:1 right ahead except at pavement intersection areas and other locations specifically designated by the Engineer. End of day's work joint and joints at bridge approach section shall be constructed perpendicular to centerline. Transverse Joints will be 'CD' except when 'C' joints are specifically required as a part of detail project plans or when T is less than 8'.

Normal crown shall be a straight line sloped each way from centerline profile grade for the distance and rate indicated. Rounding to a maximum depth of 1/4" below profile grade will be allowed as indicated. This crown may be varied through superelevated curves and intersection areas where special shaping is required or other areas specifically authorized by the Engineer.

The price bid for "Standard or Slip-Form P.C.C. Pavement" class and thickness as specified, in sq. yds., shall be considered full compensation for the construction of pavement as detailed hereon, including all required joints.

PER STATION DESIGN VALUES FOR PAVEMENT SECTION										
WIDTH	ITEM	UNIT	T=6"	T=7"	T=8"	T=9"	T=9.5"	T=10"	T=10.5"	T=11"
22'	Section Area	Sq. Ft.	11.0000	12.8333	14.6667	16.5000	-----	-----	-----	-----
	Concrete Volume	Cu. Yds.	40.7407	47.5309	54.3211	61.1113	-----	-----	-----	-----
	Surface Area	Sq. Yds.	244.444	244.444	244.444	244.444	-----	-----	-----	-----
24'	Section Area	Sq. Ft.	12.0000	14.0000	16.0000	18.0000	19.0000	20.0000	21.0000	22.0000
	Concrete Volume	Cu. Yds.	44.444	51.8519	59.2593	66.6667	70.3704	74.0741	77.7778	81.4815
	Surface Area	Sq. Yds.	266.667	266.667	266.667	266.667	266.667	266.667	266.667	266.667
25'	Section Area	Sq. Ft.	13.0000	15.1249	17.2500	19.3750	20.4375	21.4983	22.5625	23.6250
	Concrete Volume	Cu. Yds.	48.1483	56.0182	63.8885	71.7594	75.6946	79.6284	83.5645	87.4995
	Surface Area	Sq. Yds.	283.333	283.333	283.333	283.333	283.333	283.333	283.333	283.333
28'	Section Area	Sq. Ft.	-----	-----	-----	21.6250	22.8125	23.9980	25.1875	26.3750
	Concrete Volume	Cu. Yds.	-----	-----	-----	80.0926	84.4907	88.8815	93.2870	97.6852
	Surface Area	Sq. Yds.	-----	-----	-----	316.661	316.661	316.661	316.661	316.661

OFFSETS FOR 22', 24', 25' AND 28' PAVEMENT

(W)	Distance From CL	0	1'	2'	3'	4'	5'	6'	7'	8'	9'	10'	11'	12'	12.5'	13'	14'
22', 24', 25' & 28'	(A)	Inches	0	1/4	1/2	3/4	1	1 1/8	1 1/4	1 1/2	1 5/8	1 3/4	1 7/8	2	2 1/8	2 1/4	2 1/2
		Feet	0	0.02	0.04	0.06	0.08	0.10	0.12	0.14	0.16	0.18	0.20	0.22	0.24	0.25	0.28
22'	(B)	Inches	2 1/8	2 1/4	2 1/2	2 3/4	2 7/8	3	3 1/8	3 1/4	3 1/2	3 3/8	3 5/8	3 7/8	4	4 1/8	4 1/4
		Feet	0.22	0.20	0.18	0.16	0.14	0.12	0.10	0.08	0.06	0.04	0.02	0.00	---	---	---
24'	(B)	Inches	2 7/8	2 3/4	2 1/2	2 3/8	2 1/4	2 1/8	2 1/4	2 1/8	2 1/4	2 1/8	2 1/4	2 1/8	2 1/4	2 1/8	2 1/4
		Feet	0.24	0.22	0.20	0.18	0.16	0.14	0.12	0.10	0.08	0.06	0.04	0.02	0.00	---	---
25'	(B)	Inches	3	2 3/4	2 1/2	2 1/4	2 1/8	2 1/4	2 1/8	2 1/4	2 1/8	2 1/4	2 1/8	2 1/4	2 1/8	2 1/4	2 1/8
		Feet	0.25	0.23	0.21	0.19	0.17	0.15	0.13	0.11	0.09	0.07	0.05	0.03	0.01	0.00	---
28'	(B)	Inches	3 3/8	3 1/4	2 3/4	2 3/8	2 1/4	2 1/8	2 1/4	2 1/8	2 1/4	2 1/8	2 1/4	2 1/8	2 1/4	2 1/8	2 1/4
		Feet	0.28	0.26	0.24	0.22	0.20	0.18	0.16	0.14	0.12	0.10	0.08	0.06	0.04	0.03	0.02

- Joints will be:
'L-1' or 'BT-1' for T less than 8'.
'L-2' or 'KT-2' for T greater or equal to 8'.
- Curb option applies to the 25.0' or 28.0' pavement.
- Includes quantities for 6" curb.

Iowa Department of Transportation Project Development Division	
STANDARD ROAD PLAN RH-22	
REVISION: Revise pavement width and corresponding Offsets and Design Quantities. <i>David R. Smith</i> 09-14-98 APPROVED BY DESIGN METHODS ENGINEER	REVISION NO. 11 REVISION DATE 01-12-99
NON-REINFORCED TWO-LANE P.C. CONCRETE PAVEMENT	